

The Fort Wayne Radio Club W9TE



The Spirit of 76

October 1997

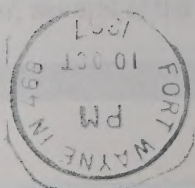


HAMSPLATTER

JIM & ANNE PLIETT K9OMA
16702 WAPPES RD.
CHURUBUSCO, IN

To:

THE FORT WAYNE RADIO CLUB
PO BOX 15127
FORT WAYNE, IN 46885



Hamsplatter



"October is an important month for the FWRC"

October 1997

Volume 26, Issue 10



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492-2138

President:
Bill Stockslager,
KF2BF

Vice President:
(open)

Secretary:
Al Burke, WB9SSE,
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Treasurer:
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N9NRO, 485-4012

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Manager:
Larry Burke, N9HVP.

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Vice President FWRC Now President

President's Corner:

Please permit me to introduce myself. I am Bill Stockslager, N9WS former Vice President and now, Acting President of the Fort Wayne Radio Club.

At the September meeting of the FWRC our President, Jim Pliett, K9OMA, reluctantly withdrew from office due to the continued degradation of his hearing. Although no longer serving as President, Jim is one of those who have long dedicated himself to the benefit of the club and he will continue to contribute in many other ways. Jim's commitment and support has been, and will continue to be, critical to the existence of the club. Thank you, Jim, for your time and talents that you have so freely given to our club.

October is an important month for the FWRC when we will be electing officers for the upcoming year. Included in this issue of "Hamsplatter" is a slate of candidates. Fortunately we have a full slate of officers running for election, however, several of the key

positions remain unchallenged. If you know of anyone who is willing to serve as an officer for our club

please give me a call (471-5492) with the nomination. If you would like to extend your support for our club, remember you

"The Spirit of 76"

are always welcome to nominate yourself as well. The following are the nominations for the elections:

PRESIDENT:
BILL STOCKSLAGER

VICE PRESIDENT:
SCOTT PRICE

SECRETARY:
AL BURKE

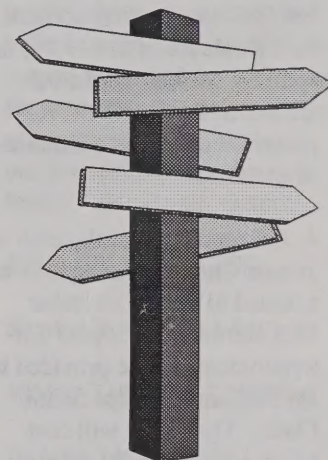
TREASURER:
BOB STREETER

STATION TRUSTEE:
LYNN HYNDMAN

COMMUNICATIONS MGR:
CLIFF SHREVE

DIRECTOR (3):
WAYNE BERGAMINO
CAROLE BURKE
ANNE PLIETT
CARL RITTENHOUSE
MIKE STEIN
BECKY STOCKSLAGER
WALT WOOD

DIRECTOR (Not Elected)
JIM PLIETT



October is also important in that it is the month in which our club helps sponsor the Boy Scouts of America Jamboree on the Air (JOTA) event. This month it will occur on Saturday and Sunday, the 18th and 19th, and will be held at Kramer Park. Please see the article on the JOTA in this issue. See you there!

73's Bill N9WS



September Minutes

1. The September meeting of the Ft. Wayne Radio Club was held at the Good Shepherd United Methodist Church on 19 September 1997. There were about 25 people present, and the meeting was opened by President Jim Pliett.

2. The August minutes were read, and there were no corrections.

3. Treasurer Carl Rittenhouse reported that as of 19 September 1997 the General account held a balance of \$5049.79, the Hamfest account held a balance of \$500.00 and the Repeater account held a balance of \$1819.86.

4. Jim reported that the club's annual Christmas banquet was planned to occur December 19th starting at 6:30pm. Entertainment will be provided by Jay Fox, and perhaps Santa Claus. The repast will cost \$3.00 per person (\$1.00 per child) with the rest of the cost of the meal defrayed by the club.

5. Cliff Shreve described the possibility of the Club "adopting" a family during the Christmas season. The idea was discussed at the September Board meeting and was recommended to be discussed with the membership. "Adopting" a family would involve club members donating canned goods that would be provided to a needy family, and Cliff volunteered to act as "Santa" for the family if we decide to proceed.

6. Carl Rittenhouse provided a Foxhunt update. Carl (N9NRO) served as the Fox

during the September outing. The fox was situated in a playground at an apartment complex near the Baer Field Thruway and was operated by remote control. KF9AW was first to find the prey followed by N9GK and KB9NRA followed by N9MKB. For the season, the current point leader is N9MKB followed by N9NRO, N9LOV, KA9YYI & K9OMA, and KB9's DOT and DOS. Next month the Foxhunt will switch to Winter hours and will start the first Sunday of the month (5 October) starting from Shoaff Park.

7. Jim Pliett provided a repeater status report as follows. All of our machines with the exception of 146.94 MHz are healthy. Getting .94 back on the air requires delivery of a set of crystals required for the new RF deck, and programming of the new controller. An (optimistic) estimate to get things percolating again on .94 is about two weeks, but realistically, it will probably be more like a month before the system can be put back in service.

8. Jim made note of an article in the ACARTS newsletter that contained a frank discussion about the future of the ACARTS Hamfest. As occurred to the leadership of the FWRC Hamfest, the folks who have run the ACARTS affair are burned out. They need new blood to help organize and run the affair or otherwise it may not survive. (Jim also noted that the club would have a table at this year's Hamfest).

9. Jim Pliett announced that

for medical reasons, he regretably had to tender his resignation as President of the FWRC. Consequently, the remainder of his term as President will be served by Vice President Bill Stockslager.

10. Bill Stockslager then opened nominations for the upcoming election of club officers. After much discussion the nominations were closed with the following proposed slate of candidates:

President:
Bill Stockslager

Vice President:
Scott Price

Secretary:
Al Burke

Treasurer:
Carole Burke
Bob Streeter (Bob must agree to run)

Station Trustee:
Llyn Hyndman

Comm Manager:
Cliff Shreve

Directors (4):
Carole Burke
Walt Wood
Cliff Shreve
Jim Pliett (Outgoing President)
Carl Rittenhouse
Wayne Bergamino
Mike Stein
Becky Stockslager

IRCC Rep (8):
Bill Hall
Dave Evans
Carl Rittenhouse
Valerie Stein

The Spirit of 76

September Minutes Cont.

Elected Officers:

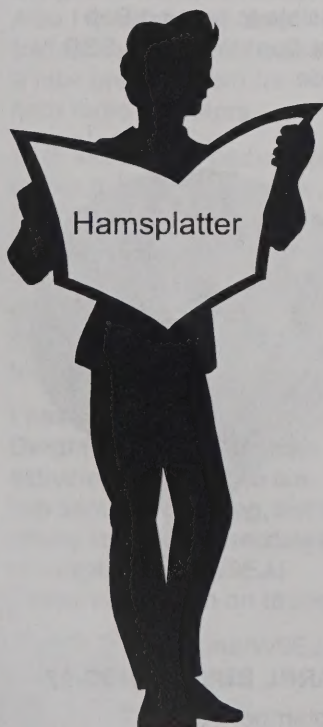
Elected Directors:

The nominations will be re-opened at the October meeting prior to the elections.

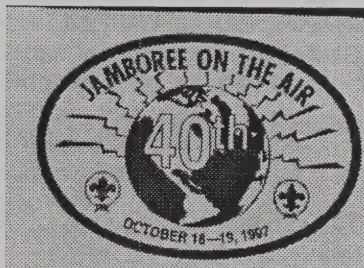
11. Ann Pliett orchestrated the 50/50 drawing and it provided \$12.50 to winner Cliff Shreve with the other \$12.50 going to the club Treasury. Cliff donated \$6.25 of his winnings back to the club.

12. Following the Business meeting Bill Hall gave a presentation on the what's and wherefores of Emergency Communications activities under the umbrella of ARRL field organizations.

Respectfully submitted,
AL BURKE, WB9SSE



JAMBOREE ON-THE-AIR OCT 18-19 1997



What is Jamboree on the Air? The Jamboree on the Air, or JOTA, is an annual Scouting/ Amateur Radio event sponsored by the World Bureau of the Boy Scouts of America. It is always held during the third full week-end of October. Thousands of stations around the globe participate in this event. This year the Ft Wayne Radio Club will sponsor 45 Scouts from St Paul Lutheran Church here in Ft. Wayne. Our club, like thousands of others on JOTA weekend will be setting up HF/VHF/UHF and ATV stations to allow the Scouts to make contacts around the world. Generally, the radio contacts include typical information such as name, QTH, Scout rank, hobbies, etc. Some exchanges leads to long-lasting pen pal friendships. Some Scouts like to trade badges, pins and patches. The JOTA weekend begins Friday October 17th at Midnight, and runs through Sunday at Midnight. JOTA is NOT a competitive event. IT IS a time for fun and adventure. We have a great location for this year's event. We're easy to find. Take Hwy 33 North through Churbusco. Go approx 1 mile to Green Center Rd [watch for JOTA sign] Turn right. Go past second stop sign and watch for Cramer Park on left. The route will be well marked. The large green park pavilion has 2 large rooms

for station set up, restrooms and kitchen. The park also has a ball diamond, fishing pond and camping. This is a great opportunity for YOU to participate in a Ft Wayne Radio Club event. Who is JOTA Weekend open to? Cub Scouts, Boy Scouts, Explorers, Girl Scouts, Former Scouts, Amateur Radio Operators and Family, in fact, anyone interested in doing a good turn for Scouting and Amateur Radio. This is your chance to become involved in a FWRC event, have a good time, and do some good for some real good kids. You say you want to see more of our young people in Amateur Radio? This is your chance!

JOTA FREQUENCIES:

80 Mtrs 3.740 and 3.940Mhz

40Mtrs 7.090 and 7.290Mhz

20 Mtrs 14.290 MHz

17 Mtrs 18.140 MHz

15 Mtrs 21.360 MHz

12 Mtrs 24.960 MHz

10 Mtrs 28.990 and
28.350 MHz

* Monitor the 76 Repeater for frequency updates including VHF/UHF/and ATV.

* One last reminder to all you Amateurs, in Boy Scout terms "Be Prepared" to have a Good Time!!

73'
N9MKB

INARRL BULLITINS

INARRL BULLETIN 71-97

September 15, 1997

SENIOR HAM ACTIVITY 1 of 3

Lewis Brown/W9SMQ recently celebrated his 80th birthday at the Etna-Troy School community building on Saturday, September 6th. One of the notable hams present at this event was Maurice Kessler/NM9K (formerly W9AIH) who was the mentor for Lewis getting his initial ticket in 1935. Maurice now resides in the North Manchester area. Other hams visiting included John Tripcony/N9DWU and Don Evilsizor/KA9QWC.

Lewis originally had the call-sign of W9SMQ back in the 1930's, but farming and other events had taken their toll on ham activity. Lewis was a radio operator aboard the Great Lakes vessels during the W.W.II years and is also retired from the state police force. Most recently Lewis had the callsign of N9OOT but he longed for that old W9SMQ callsign back again. He made an application to the FCC and found it had not been taken. It was amazing that Lewis also managed to work the same first station he had contacted 50 years ago! W9SMQ is primarily a CW operator on 80 and 40 meters if you want to work him.

INARRL BULLETIN 72-97

September 15, 1997

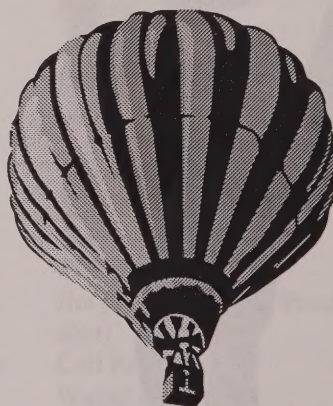
SENIOR HAM ACTIVITY 2 OF 3

The Whitley County Amateur Radio Club (WCARC) was honored with a visit from a well known AM broadcast personality who is also a ham. This ham was a radio announcer for 50 years at WOWO, 1190 AM, the clear channel station with the far reaching 50,000 watts. He is none other than Bob Sievers / W9FJT (known as Fifty Jumping Tigers!).

Bob has touched many lives in his broadcasting career which incidentally is not entirely finished. He does many spot commercial announcements for area broadcast radio, TV and ham radio stations. Yes, I can recall a repeater using his voice for frequent announcements. One would almost have to know and hear Bob to understand, his magic voice was made for radio. Even at 80 years of age his voice can still boom out in unequalled clarity which is the reason for his high demand at many events.

Bob has letters from past Presidents and Vice Presidents of our nation. He had some original letters from Elvis's mother who wanted Bob to play some of her son's music. Many of the Country and Western Singers have sent mail to Bob. He has recollections of reverend Billy Graham in his early career.

Bob did forget to check the covenants and deed restrictions when he moved into his new home. He later found out that no external antennas could be erected. Now we know most hams have some ingenuity, and Bob was no exception. He has a simple dipole antenna 3 feet off the ground that runs in between two bird feeders. I wonder if that is how they came up with the bird through wattmeter? W9FTJ does run a few watts at times, but there are many times he does not need that extra power. An acquaintance of his stopped by the bird feeders visit, and after hearing Bob tell about being on ham radio, the visitor then inquired how could he be on H.F. with no antennas? W9FJT went on to explain that his visitor was almost leaning on his bird feeder dipole! I can recall reports a few years back that it was almost impossible to convert Bob over from the AM to SSB mode.



INARRL BULLETIN 73-97

September 15, 1997

SENIOR HAM ACTIVITY 3 of 3

INARRL Bullitins cont.

Our next ham is a really a senior gentleman starting his march toward the century mark. I hear him check into the ITN often. The ITN is well known as the Indiana Traffic Net in the event some of you reading this bulletin may not be familiar with that term.

Anyway back to our senior ham, he is DWIGHT D. VALENTINE, and known to us as W9EJJ. He resides close to Darlington, Indiana which is not very far north-east of Crawfordsville on State Road 47 in Montgomery County.

Dwight celebrated his 91st birthday and also found time to check into our net on this 15th day of September 1997. You know it would be a nice gesture to send even a belated birthday greeting message to Dwight via amateur radio. Also I have always been told that a QSL card makes a nice greeting card for ham radio operators.

I will include the particulars in this bulletin for either a card or amateur radio message. You could also become RADIO ACTIVE and probably talk to Dwight on the air when he checks in too.

I have no history about Dwight's earlier ham radio activities, because no one has sent me anything, but if others know any anecdotes or events about W9EJJ please send them on to me.

Dwight D. Valentine/W9EJJ
RR 1 State Road 47
Darlington, IN 47940
765-794-4769

What about other amateur

radio operators that you may know? We can't share any of these stories of the past with other hams if you do not send me anything! There has to be a lot out there about hamming in Indiana both old and new! It is so easy to find me, so come on and send me something!

HOME PACKET BBS
KA9QWC@KF9UG.
#NIN.IN.USA.NOAM
EMAIL=
don39@centralnet.net

HOME PHONE 219-723-4793
Don Evilsizor
965 South 700 West
Larwill, IN 46764-9762

INARRL BULLETIN 76-97
September 27, 1997

SUBJECT:
INDIANA HAMFESTS

* = ARRL Conventions
+ = ARRL Hamfest
x = Non-ARRL Hamfest

October 4
Miami & Cass County
ARCs, Peru, IN Gary Donaldson, N9KQG TEL: 219-382-2203 3137 East SE Lakeshore Dr., Macy, IN 46951
219-382-2203

October 5
Hoosier Hills Ham Club
John Hunter, KB9OAZ TEL: 812-279-2833
email = jhunter@tima.com

October 5
Huntington County Amateur Radio Society (HCARS)

Ray Tackett, KC9DZ TEL: 219-786-0057

At PAL club, 2099 Riverside Drive, Huntington, IN Talk-in 146.685- and 443.975+ 8 AM - 1 PM 443.975+
Grand Prize: Amateur Radio Equipment also hourly drawings. Admission \$ 4.00

October 26
Boone County & Clinton County ARCs, Lebanon, IN-Sam Paul, WA9YZE 708 Delphi Ave., Frankfort, IN 46041
317-659-1720

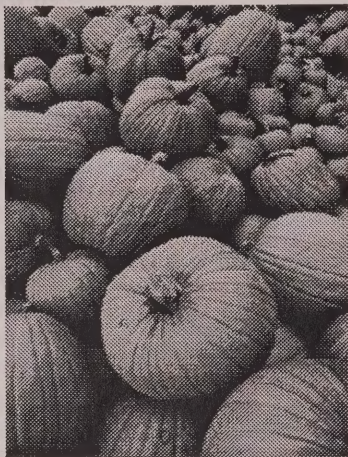
November 15-16
Indiana State Convention, Fort Wayne, IN Fort Wayne Hamfest & Computer Expo
Doug Jones, N9NNT and Jim Boyer, KB9IH Allen County Amateur Radio Technical Society PO Box 10342, Fort Wayne, IN 46851
219-484-1314
E-mail: djones2233@aol.com

<http://www.pipeline.com/~dagagnon/>

My job as INARRL BULLETIN MANAGER is to keep Hoosier amateurs informed on events and activities in our state. I am not a sounding board for personal gripes or iwho should be the official repeater coordinator group. I would like to publish what is going on within your club or area. It is very easy to reach me. I can't publish if you don't get it to me. packet = KA9QWC@KF9UG.#NIN.IN.USA.NOAM
EMAIL = don39@centralnet.net
Tel = 219-723-4793, answering machine is on if I'm out...HF radio = I am usually

INARRL Bullitins cont.

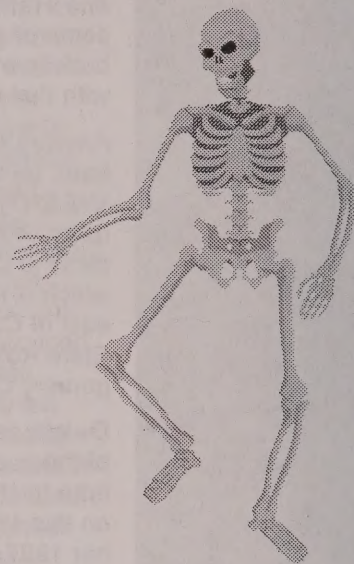
on our Indiana Traffic Net (ITN) on a daily basis in the mornings. 3.910 MHz 08:30 local time. I frequently get on both Indiana QIN CW nets on 3.656 at 09:30 AM, 7 PM and the Indiana Code Net (ICN) on 3.705 MHz.



By: Eric H. Christensen, KF4OTN

Little LEO (low-earth orbiting satellite) have changed their views in almost a complete turnaround. They are now focusing on below 1GHz. More accurately the 2 meter and 70 centimeter bands. Also, they have proposed interest in the 220 MHz band. Little LEO wants to share the 219-225 MHz with us (Ham Operators) to use for their satellites along with the 146-148 MHz and 420-450 MHz bands. Among the reasons that ARRL and AMSAT put up included the need for highly sensitive receivers for certain activities (like moonbounce, satellite work, etc.), and the fact that these three bands are the

essential for our public service during emergencies and such. It seems that in this case the facts are on our side, though.



Amateur Radio in the Sky

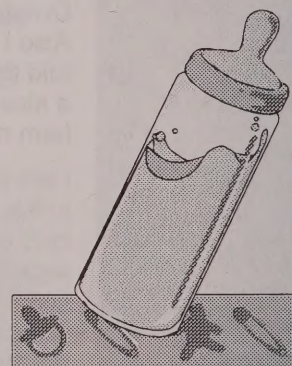
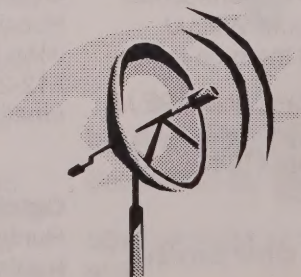
Amateur Radio on Mir
Amateur radio is now back in operation aboard the Russian Space Station Mir. If you want to contact Mir on



voice or packet the new frequency is 145.985. For packet operation the Mir crew has specially requested that hams write very short notes as the crew is limited to 15K of space. The crew also asks that messages in the mailbox ONLY be to the

crew of the station. To track the station please refer to http://liftoff.msfc.nasa.gov/temp/Mir_loc.html NASA's Mir tracking page. Mir goes by R0MIR. Mike Foale's call is KB5UAC. Good Luck.

The Amateur Radio Connection is maintained by <http://www.geocities.com/SiliconValley/Heights/3723/>
Chris, KB9OAP

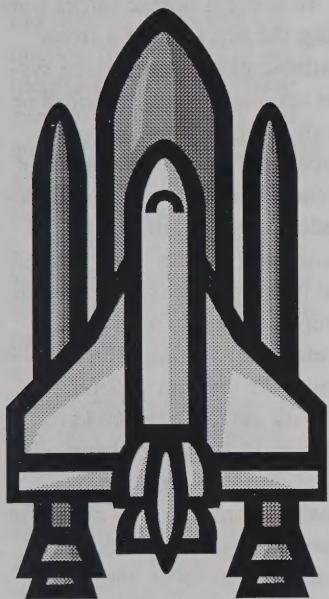


Congratulations

Kris and Karla Staller have a new addition to their household. Karla gave birth to a little girl two weeks ago. Kris and Karla now have two children (one boy and a girl). Barring a few complications to the child mom and baby are doing fine.

General Band News

Author Chris Ewert
Phase 3D Delay



Phase 3D is unlikely to be launched aboard the Ariane 502 rocket because of refined mechanical requirements. The ARRL says they have still have some hope of launching Phase 3D but it appears very unlikely. AMSATs President Bill Tynan, W3XO, says, "if it goes on schedule, we won't go on '502.'" The European Space Agency increased their estimate of vibration levels inside the Ariane 502. AMSAT will have rebuild the frame of phase 3D to withstand the vibrations.

This is just a start. Many more articles will be added over the next week. Many of you have been asking me to hurry up and get something out. If you have any suggestions please mailto:radio_1@geocities.com e-mail me.

GRANDMA AND THE FAMILY TREE

There's been a change in Grandma, we've noticed her of late,

She's always reading history or jotting down some date.

She's tracking back the family, we'll all have pedigrees.

Oh, Grandma's got a hobby, she's climbing Family Trees.

Poor Grandpa does the cooking and now, or so he states,

That worst of all, he has to wash the cups and dinner plates.

Grandma can't be bothered, she's busy as a bee

Compiling genealogy - for the Family Tree.

She has no time to baby-sit, the curtains are a fright,

No buttons left on Granddad's shirt, the flowerbed's a sight.

She's given up her club work, the serials on TV,

The only thing she does nowadays is climb the Family Tree.

She goes down to the courthouse and studies ancient lore,

We know more about our forebears than we ever knew before.

The books are old and dusty, they make poor Grandma sneeze,

A minor irritation when you're climbing Family Trees.

The mail is all for Grandma, it comes from near and far, Last week she got the proof she needs to join the DAR.

A worthwhile avocation, to that we all agree, A monumental project, to

climb the Family Tree.

Now some folks came from Scotland and some from Galway Bay,

Some were French as pastry, some German, all the way.

Some went on west to stake their claim, some stayed near by the sea,

Grandma hopes to find them all as she climbs the Family Tree.

She wanders through the graveyard in search of date or name,

The rich, the poor, the in-between, all sleeping there the same.

She pauses now and then to rest, fanned by a gentle breeze

That blows above the Fathers of all our Family Trees.

There were pioneers and patriots mixed in our kith and kin

Who blazed the paths of wilderness and fought through thick and thin.

But none more staunch than Grandma, whose eyes light up with glee

Each time she finds a missing branch for the Family Tree.

Their skills were wide and varied, from carpenter to cook

And one (Alas!) the record shows was hopelessly a crook.

Blacksmith, weaver, farmer, judge, some tutored for a fee,

Long lost in time, now all recorded on the Family Tree.

To some it's just a hobby, to Grandma it's much more, She knows the joys and

Family Tree Cont.

heartaches of those who went before.

They loved, they lost, they laughed, they wept, and now for you and me

They live again in spirit, around the Family Tree.

At last she's nearly finished and we are each exposed.

Life will be the same again, this we all supposed!

Grandma will cook and sew, serve cookies with our tea.

We'll all be fat, just as before that wretched Family Tree.

Sad to relate, the Preacher called and visited for a spell,

We talked about the Gospel, and other things as well,

The heathen folk, the poor and then - 'twas fate, it had to be,

Somehow the conversation turned to Grandma and the Family Tree.

We tried to change the subject, we talked of everything

But then in Grandma's voice we heard that old familiar ring.

She told him all about the past and soon was plain to see

The preacher, too, was nearly snared by Grandma and the Family Tree.

He never knew his Grandpa, his mother's name was ... Clark?

He and Grandma talked and talked, outside it grew quite dark.

We'd hoped our fears

were groundless, but just like some disease,

Grandma's become an addict - she's hooked on Family Trees!

Our souls were filled with sorrow, our hearts sank with dismay,

Our ears could scarce believe the words we heard our Grandma say,

"It sure is a lucky thing that you have come to me,

I know exactly how it's done, I'll climb your Family Tree!"

* Author Unknown



Military Poises To Enhance, Fortify Satellite Navigation

To prevent hostile forces from using the precision of a freely available global positioning system against the United States or its allies, navigation signals propagated by a constellation of 24 satellites are intentionally degraded. As a result, the global positioning system is segregated into two separate schemes--with a military version offering greater than 10 times the accuracy of the civilian version.

With current raw data provided by global positioning system (GPS) satellites, a predictable accuracy of 16 meters in three dimensions can be achieved. However, these raw data are available only to U.S. and allied military, certain U.S. government agencies and selected civilian users specifically approved by the U.S. government. "Instead of the 15- to 25-meter accuracy it might provide, the government fiddles with the signal so that you get nominally about a 100-meter accurate signal," says Tyler Trickey, marketing manager for navigation at Rockwell's Collins Avionics & Communications division, Cedar Rapids, Iowa.

Signals emitted by GPS satellites are both encrypted and modulated through a complicated process known as selective availability, so that only users with specially designed receivers can calculate precise location and time. This modification of the basic GPS signal is performed by the 2nd Space Operations Squadron at Falcon Air Force Base, Colorado.

GPS satellites transmit two microwave carrier signals. The first, or L1 frequency (1575.42

Satellite Navigation cont.

megahertz), carries a navigation message and serves as the basis for the freely available standard positioning service. A second frequency, the L2 at 1227.60 megahertz, is used to measure ionospheric delay and augments the accuracy of the government's precise positioning system.

Selective availability involves modulating the L1 to lessen the accuracy available to civilian users. Instead of a potential 16-meter accuracy, commercial receivers can only depend on being within 100 meters of their calculated position. And, according to officials at Air Force Space Command, the president can order the standard positioning service's 100-meter accuracy to be degraded even further in times of international crisis.

The method used to modulate the L1 frequency is known as the coarse acquisition (C/A) code. C/A is a repeating random noise code that spreads the L1 carrier signal's spectrum over a 1 megahertz bandwidth. Each GPS satellite has a different C/A code, and the space vehicles often are identified by their pseudo-random noise number, a unique identifier for each pseudo-random noise code. A second encryption method, known as the precise or P-code, is applied to both the L1 and L2 carrier phases. The P-code is a very long, 10-megahertz pseudo-random noise code.

Space Command officials indicate that the United States further safeguards its

access to GPS information via an antispoof capability.

"This prevents an enemy from broadcasting bad GPS signals and misleading a friendly GPS receiver," officials explain. In the anti-spoofing mode of operation, the P-code is further encrypted into the Y-code. The encrypted Y-code requires a classified antispoofing module for each receiver channel and is for use only by authorized users with cryptographic keys. The P (Y)-code is the basis for the precise positioning system.

Finally, the L1-C/A code signal also is modulated by the navigation message. This message is a 50-hertz signal consisting of data bits that describe the GPS satellite orbits, clock corrections and other system parameters.

One way scientists have improved on satellite navigation thus far has been to apply differential techniques in local areas. Differential GPS implementations require base stations that can track all satellites in view and form individual pseudo-range corrections for each satellite. The corrections are passed to remote receivers capable of applying them to formulate an enhanced navigation solution. The U.S. Coast Guard maintains a network of such base stations and transmits differential corrections over radio beacons covering much of the U.S. coastline.

Using differential technologies, GPS users can improve location accuracy to within a few meters and, in some cases, says Trickey, centimeters. The drawback,

however, is that differential technologies are expensive and limited to those areas serviced by base stations.

The U.S. Air Force is currently administering two separate programs--the accuracy improvement initiative and a study titled navigation warfare--to find a balance between global sentiments and national security. Navigation warfare, or NAVWAR, explores new methods to prevent hostile forces from exploiting GPS's reliable accuracy, while the accuracy improvement initiative is aimed at improving the accuracy of GPS signals available to military users from the current 8 meters to less than 4.5 meters by the turn of the century.

Trickey points out that 2006 is an objective deadline for ending the corruption of GPS signals. But, in reality, it could be turned off as soon as an NAVWAR plan is ready to go. Trickey speculates that, "Clearly the pressure is there to set selective availability to zero as soon as possible, so as soon as they have some capability--even if it is not full capability--I wouldn't be surprised if they turn selective availability off."

This article appeared in the August 1997 issue of SIGNAL Magazine, copyright 1997, the official journal of the Armed Forces Communications and Electronics Association, 4400 Fair Lakes Court, Fairfax, VA 22033-3899. E-mail: signal@us.net or web site: <http://www.us.net/signal>, and is reprinted with written permission. 73's N9NRO.

For Sale


No submissions

Wanted

No submissions

All ads will run on a month by month basis. Please advise me if you need your ad run more than one month or you wish to extend your ad another month.

Thanks and 73s,
Todd Hargis N9XRG



Attention

We are currently trying to compile a database of the e-mail addresses of members. This database will be used possibly in the future to distribute the Hamsplatter and thus lower the total operating costs of the club. Please send an e-mail message to hargis@mail.org and put Hamsplatter in the subject line.

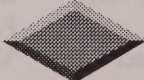
Thanks in advance for the help. We are trying to currently find ways to reduce costs so we can maintain the activities, which we currently enjoy.

73s,
N9XRG

Check out the new "Fort Wayne Radio Club Home Page" at:

<http://user.centralnet.net/kevina/fwrc> (Thanks goes out to Kevin Adam for design and maintenance).

Do you have an interesting article or cartoon which you can contribute to the Hamsplatter? Do you have some spare equipment collecting dust that you might want to sell? If so please contact me, Todd Hargis N9XRG, at 492-2138 (leave detailed message and phone number if no answer) or I can also be reached via E-mail at "hargis@mail.org".



November Hamsplatter Deadline: *November 1, 1997*

Membership Data: (Give this form to the treasurer at any FWRC meeting or mail to the address below)

Name _____ Call _____ Class: N T G A AE

Street _____

City _____ State _____ Zip _____ - _____

Home Phone: (____) _____ - _____

Work Phone: (____) _____ - _____

Shall we list your address and phone number in the membership roster Y N ?

Are you presently an ARRL member Y N ?

Membership Term: (Jan - Dec) (Jul - Dec)

Family Membership: \$21.00yr \$10.50yr immediate family (list all callsigns)

Regular Membership: \$15.00yr \$7.50yr licensed member

Student Membership: \$6.00yr \$3.00yr full time student

Associate Membership: \$15.00yr \$7.50yr unlicensed member

Your Check Number _____ please pay by check. It's easier for both of us.

Mail to: The Fort Wayne Radio Club

PO Box 15127

Fort Wayne, IN 46885